

II. AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A computer assisted method for analyzing information from a data source, comprising:

selecting one or more data sources;

selecting a plurality of operators for analyzing information;

linking said plurality of operators together in a network;

creating a visual representation of said network;

detecting whether said data source is a data stream or a database;

evaluating said operators against a database when said data source includes one or more databases and evaluating a data unit against said operators when said data source includes one or more data streams; and

creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding operators.

2. (Canceled)

3. (Previously Presented) A method as in claim 1, further comprising:

compiling said network by combining one or more operators into a single composite operator when said data source includes one or more data streams; and

compiling said network by assigning a document identifier to one or more operators, combining said operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.

4. (Original) A method as in claim 3, wherein:
each operator receives a listing of data context identifiers having one or more
corresponding document features.
5. (Original) A method as in claim 4, wherein:
said document features are chosen from a group consisting of terms, extracted entities,
term relations, term counts, term distribution, discourse markers, feature distribution, reference
data deriving from said data source.
6. (Original) A method as in claim 1, wherein said data source contains at least one of
the group consisting of a text file, audio file, video file, graphic file, and picture file.
7. (Original) A method as in claim 6, wherein:
data from said data source is transmitted over a network to a computer which evaluates said data.
8. (Original) A method as in claim 7, wherein said network comprises the Internet.

9. (Previously Presented) A computer assisted method for analyzing information from a data source, comprising:

selecting one or more data sources;
selecting a plurality of operators for analyzing information;
linking said operators together in a network;
creating a visual representation of said network;
linking said network to said data source in said visual representation;
compiling said network and evaluating said data source using said network when said network is visually linked to said data source; and
creating a plurality of output indicators corresponding to each of said operators on said visual representation of said network, wherein said output indicators visually represent a quantified output of said corresponding operators.

10. (Original) A method as in claim 9, further comprising:

compiling said network by combining one or more operators into a single composite operator when said data source includes one or more data streams; and
compiling said network by assigning a document identifier to one or more operators, combining said operators having a document identifier into an operator database and inverting that operator database when said data source includes one or more databases.

11. (Original) A method as in claim 10, wherein:

each operator receives a listing of data context identifiers having one or more corresponding document features.

12. (Original) A method as in claim 11, wherein:
said document features are chosen from a group consisting of terms, extracted entities,
term relations, term counts, term distribution, discourse markers, feature distribution, reference
data deriving from said data source.
13. (Original) A method as in claim 12, wherein said data source contains at least one of
the group consisting of a text file, audio file, video file, graphic file, and picture file.
14. (Original) A method as in claim 13, wherein:
data from said data source is transmitted over a network to a computer which evaluates
said data.
15. (Original) A method as in claim 14, wherein said network comprises the Internet.
16. (Previously Presented) A method as in claim 9, wherein said output indicators
further represent a quantified input of said corresponding operators.
17. (Previously Presented) A method as in claim 16, wherein said output indicators
display the number of input documents and the number of output documents for said operators.
18. (Original) A method as in claim 17 wherein said display comprises a pie chart.
19. (Original) A method as in claim 17 wherein said display comprises a bar chart.
20. (Original) A method as in claim 17 wherein said display comprises a term map.
21. (Previously Presented) A method as in claim 9, wherein each of said output
indicators represent a response function initiated by said corresponding operator.

22. (Previously Presented) A method for automatically responding to information received from a data stream, comprising:

selecting a plurality of operators for detecting whether information satisfies a desired constraint;

linking said operators together in a network;

creating a visual representation of said network;

linking said data stream to said network in said visual representation;

evaluating said received information against said network;

automatically generating a programmed response when a constraint from at least one network operator is satisfied; and

creating an output indicator, said indicator representing a response function initiated by one of said operators.

23. (Canceled)

24. (Canceled)

25. (Original) A method, as in claim 22, wherein said programmed response comprises generating a text message.

26. (Original) A method, as in claim 22, further comprising:
creating an output indicator, said indicator representing a response function initiated by one of said operators.

27. (Original) A method, as in claim 26, wherein said output indicator represents an email message.

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28. (Original) A method, as in claim 26, wherein said output indicator represents a telephone voice message.
29. (Original) A method, as in claim 26, wherein said output indicator represents a text message.
30. (Original) A method, as in claim 26, further comprising:
transmitting said output indicator over a computer network.
31. (Original) A method, as in claim 27, further comprising:
transmitting said output indicator over a computer network.
32. (Original) A method, as in claim 28, further comprising:
transmitting said output indicator over a computer network.
33. (Original) A method, as in claim 29, further comprising:
transmitting said output indicator over a computer network.
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